

## Program Package for Thermophysical Properties of Fluids: PROPATH ver. 13.1 - Windows Applications

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Program Package for Thermophysical Properties of Fluids: PROPATH is a software library for the calculation of thermophysical and transport properties of fluids. It is written in FORTRAN 77 and partly in the C language. The software provides thermophysical and transport properties by referring to these subroutines and/or functions from his/her FORTRAN or C main program unit like when he/she refers to the trigonometric functions. In addition to the static libraries for FORTRAN and C language, the latest version 13.1 includes the single shot programs for each substance for MS-DOS, the Web interface through the Internet and the dynamic link libraries (DLL) for Microsoft Windows operating system. Users can use the PROPATH functions in spreadsheets, Visual Basic programs and other Application software on Microsoft Windows. In this report the use of the computer algebra software on Microsoft Windows is explained with some useful examples such as cycle analysis. The PDF user's manual is open for download to everyone from the PROPATH Web site, and the Web version (W-PROPATH) can be used through the Internet at "<http://www2.mech.nagasaki-u.ac.jp/PROPATH/>".